

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	372	425/142.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 10:32
L2	780	425/289.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 10:51
L3	98	414/158.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 10:51
L42	58	414/222.07.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 11:08
L43	28	414/222.12.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 11:10
L44	125	414/222.13.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 11:14
L45	24	414/222.08.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 11:14
L46	31	414/222.09.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 11:16
L47	0	(cd or disk) and (carausel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 11:17

## EAST Search History

L48	3907	(cd or disk) and (carousel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 11:17
L49	1164	(cd or disk) same (carousel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 11:17
L50	171	(cd or disk) same (carousel) same opening\$2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/09 11:17
L51	9	("5253235"   "5422869"   "5431520"   "5563857"   "5715230"   "6091677"   "6151279"   "6163511"   "RE37170").PN. OR ("6751169").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/09 11:22
L52	17	("4755978"   "4773057"   "4796251"   "5022020"   "5043963"   "5115419"   "5146451").PN. OR ("5253235").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/09 11:28
L53	2223	118/500.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/09 11:29
L54	91	118/500.ccls. and (carousel or turntable or rotate near disk)	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/09 11:34
L55	180	118/500.ccls. and (carousel or turntable or rotate near3 (disk or cd or wafer))	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/09 11:38
L56	2223	118/500.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/09 15:14
L65	10	"83"/\$.ccls. and ide.in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/09 15:39
L66	120	"83"/621.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/09 15:41
L67	256	"83"/862.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/09 15:46
L68	135	"83"/863.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/09 15:48

## EAST Search History

L69	121	"83"/681.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/09 15:49
L70	250	"83"/682.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/09 15:49
L71	9	("4211617"   "4457794"   "4643740"   "4729805"   "4812345").PN. OR ("5213600").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/09 18:33
L72	22	("20020042027"   "20020131718"   "20020132482"   "20020167117"   "20020177319"   "4470864"   "5213600"   "5259926"   "5427599"   "5512131"   "5537282"   "5653166"   "5669303"   "5772905"   "5820769"   "5956216"   "6165391"   "6295923"   "6309580"   "6482742"   "6499331"   "6518189").PN. OR ("6939120"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/09 18:34
S1	120	(83/621).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/16 10:57
S2	138	(83/863).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/08/30 14:41
S3	714	(83/170).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/08/31 10:35
S4	0	83/170.ccls. with heat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 10:36
S5	0	83/170.ccls. with (heat\$3 or warm\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 10:36
S6	0	83/170.ccls. with cut	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 10:36

## EAST Search History

S7	0	83/170.ccls. WITH punch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	WITH	ON	2005/08/31 10:37
S8	170588	83/170.ccls. punch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 10:37
S9	25	83/170.ccls. and punch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 10:37
S10	251	83/170.ccls. and heat	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 10:42
S11	0	ultrasonic adj jom	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 10:42
S12	3925	ultrasonic adj horn	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 10:42
S13	37	ultrasonic adj horn with (heat and cut)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 12:02
S14	5	("4052238"   "4168863"   "4287633"   "5441333"   "5843256").PN. OR ("6740181").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/31 11:39
S15	0	("2004-39149").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/08/31 11:40
S16	0	2004-39149	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 11:48

## EAST Search History

S17	7	Compact adj disc with cut near hole	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 11:49
S18	9	ultrasonic near (heat and cut)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 11:51
S19	846	(83/98).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/08/31 11:57
S20	264	(83/862).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/08/31 12:00
S21	538	((83/15) or (83/16)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/08/31 12:00
S23	50	ultrasonic adj horn with ((heat and cut) or (sever and cut) or (split and cut) or (notch and cut) or (separate and cut) or (truncate and cut))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/14 09:24
S25	54	ultrasonic adj horn with ((heat and cut) or (heat and sever) or (heat and split) or (heat and notch) or (heat and separate) or (heat and truncate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/14 09:28
S26	678	(83/701).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/08/31 13:59
S27	48	83/701.ccls. and ultrasonic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 14:03
S28	386	83/869.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 14:09

## EAST Search History

S29	319	punch with ultrasonic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/31 14:10
S30	386	(83/869).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/01 12:59
S31	1666	((29/603.3) or (269/21)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/07 14:17
S32	0	(29/603.3).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/07 14:17
S33	0	(29/603.3).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/07 14:17
S34	0	(29/603.3).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/07 14:18
S35	1666	(269/21).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/07 14:19
S36	304	(29/603.03).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/07 14:29
S37	121	(83/956).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/07 14:31
S38	49	((264/407) or (267/442) or (267/65)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/07 14:33

## EAST Search History

S39	0	(267/442).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/07 14:34
S40	320	((264/407) or (264/442) or (264/65)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/07 14:34
S41	126	((219/606) or (219/607)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/13 10:02
S42	4649	("219"/\$4.ccls. or "264"/\$4.ccls.) and (ultrasonic or (punch with heat))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/13 10:03
S43	4396	("219"/\$4.ccls. or "264"/\$4.ccls.) and (ultrasonic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/13 10:04
S44	0	("219"/\$4.ccls. or "264"/\$4.ccls.) with (ultrasonic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/13 10:04
S45	0	("219"/\$4.ccls. or "264"/\$4.ccls.) with (heat near punch)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/13 10:05
S46	4	(heat near punch) with (ultrasonic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/13 10:06
S47	253	((264/402) or (264/403) or (264/404)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/13 15:55
S48	26	(264/402.ccls. or 264/403.ccls. or 264/404.ccls.) and ((compact adj disk) or (dvd) or(disk) or (ultrasonic near heat\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/13 16:07

## EAST Search History

S49	36	(264/402.ccls. or 264/403.ccls. or 264/404.ccls. or 264/407.ccls.) and ((compact adj disk) or (dvd) or(disk) or (ultrasonic near heat\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/20 09:22
S50	1333	264/40.5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/13 16:13
S51	26	264/40.5.ccls. and (cd or (compact adj disk) or dvd)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/13 16:13
S52	178	(264/154.ccls. or 264/155.ccls.) and ((compact adj disk) or (dvd) or(disk) or (ultrasonic near heat\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/14 08:39
S53	452	"165"/\$4.ccls. and (ultrasonic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/14 08:42
S55	10	"165"/\$4.ccls. and (ultrasonic near (heat or hot))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/14 08:41
S56	1	"165"/\$4.ccls. and (ultrasonic near (cut))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/14 08:41
S57	1	"165"/\$4.ccls. and (ultrasonic near (cut or punch or press))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/14 08:42
S58	855	("165"/\$4.ccls or "137"/\$4.ccls.) and (ultrasonic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/14 08:42
S59	1	("165"/\$4.ccls. or "137"/\$4.ccls) and (ultrasonic near (cut or punch or press))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/14 08:43



## EAST Search History

S60	10	("165"/\$4.ccls. or "137"/\$4.ccls) and (ultrasonic with (cut or punch or press))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/14 08:43
S61	14	("4231730"   "4243367"   "4288481"   "4409169"   "4496300"   "5242630"   "5427599"   "5458818").PN. OR ("6165391").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/14 08:44
S62	22	("20020042027"   "20020131718"   "20020132482"   "20020167117"   "20020177319"   "4470864"   "5213600"   "5259926"   "5427599"   "5512131"   "5537282"   "5653166"   "5669303"   "5772905"   "5820769"   "5956216"   "6165391"   "6295923"   "6309580"   "6482742"   "6499331"   "6518189").PN. OR ("6939120").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/14 08:48
S63	26	("3258324"   "3660002"   "3761220"   "4211617"   "4312823"   "4457794"   "4477328"   "4643740"   "5067039"   "5125945").PN. OR ("5427599").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/14 08:50
S64	14	("4231730"   "4243367"   "4288481"   "4409169"   "4496300"   "5242630"   "5427599"   "5458818").PN. OR ("6165391").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/14 08:57
S65	2	ultrasonic adj horn with ((heat and cut) or (sever and cut) or (split and cut) or (notch and cut) or (separate and cut) or (truncate and cut))	JPO	OR	ON	2005/09/14 09:25
S66	0	("2004-39149").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/14 09:26
S67	0	("200439149").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/14 09:27
S68	0	"200439149"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/14 09:27

## EAST Search History

S69	237	83/51	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/19 14:02
S70	208	(83/51).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/19 14:09
S71	120	(83/621).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/19 14:12
S72	1074	(83/171).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/19 14:13
S73	0	83/171.ccls. and ((cd or dvd) near cut)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/19 14:14
S74	49	83/171.ccls. and (punch)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/19 14:14
S75	57	(264/402.ccls. or 264/403.ccls. or 264/404.ccls. or 264/407.ccls.) and ((compact adj disk) or (dvd) or(disk) or (ultrasonic near heat\$4) or (plastic near5 resin))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/20 09:22
S76	57	(264/402.ccls. or 264/403.ccls. or 264/404.ccls. or 264/407.ccls.) and ((compact adj disk) or (dvd) or (disk) or (ultrasonic near heat\$4) or (plastic near5 resin))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/20 09:23
S77	62	(264/402.ccls. or 264/403.ccls. or 264/404.ccls. or 264/407.ccls.) and ((compact adj disk) or (dvd) or (disk) or (ultrasonic near heat\$4) or (plastic near15 resin))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/20 09:23
S78	1400	((425/306) or (425/174.2) or (425/806)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/20 11:34

## EAST Search History

S79	96	(425/306.ccls. or 425/174.2.ccls. or 425/806.ccls.) and ((Ultrasonic adj horn) or ((cd) or (compact disk) or (dvd)) near ((cut\$4 or heat\$4)) or (resin near substrate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/20 13:24
S80	84	(264/442.ccls. or 264/154.ccls. or 264/161.ccls. or 264/163.ccls.) and ((Ultrasonic adj horn) or ((cd) or (compact disk) or (dvd)) near ((cut\$4 or heat\$4)) or (resin near substrate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/20 13:34
S81	323	(264/442.ccls. or 264/154.ccls. or 264/161.ccls. or 264/163.ccls.) and ((Ultrasonic adj horn) or ((cd) or (compact disk) or (dvd)) near ((cut\$4 or heat\$4)) or (resin near substrate) or punch)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/20 13:34
S82	5	("4052238"   "4168863"   "4287633"   "5441333"   "5843256").PN. OR ("6740181").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/20 13:49
S83	91	(156/73.3.ccls. or 156/73.1251.ccls. or 156/252.ccls. or 156/253.ccls. or 156/168.ccls. or 246/443.ccls. or 246/444.ccls. or 246/445.ccls.) and (((Ultrasonic adj horn) or ((cd) or (compact disk) or (dvd)) near (cut\$4 or heat\$4)) or (resin near substrate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/21 08:09
S84	777	((408/18) or (408/56)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/21 08:09
S85	198	(408/18.ccls. or 408/56.ccls.) and (liquid or water)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/21 08:12
S86	53	(408/18.ccls. or 408/56.ccls.) and ((liquid or water) and clean\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/21 08:13
S87	7	(408/18.ccls. or 408/56.ccls.) and ((liquid or water) near clean\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/21 08:13

## EAST Search History

S88	0	(408/18.ccls. or 408/56.ccls.) and ((liquid or water) and clean\$4 and shave\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/21 08:13
S89	2	("20010025557").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/07 11:26
S90	0	("SU475193").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/07 11:27
S91	2	("4834819").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/07 11:58
S92	0	("wo200539800").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/07 11:58
S93	2	("20010025557").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/24 11:26
S94	2	("2002137042").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/24 11:26
S95	2	("2000144211").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/24 11:31
S96	0	("7208130").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/24 11:31
S97	3	("3463178").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/24 11:32

## EAST Search History

S98	5	("2568499").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/24 11:32
S99	8	("1146126").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/24 11:33
S10 0	2	("0475193").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/24 11:33
S10 1	8	("2041761").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/24 11:35
S10 2	0	("200539800").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/24 11:36
S10 3	0	((("8857899") or ("63-057899"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/24 11:38
S10 4	0	("8219961").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/10/24 11:38
S10 5	138	(83/863).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/11/10 16:49
S10 6	0	("punchwith(ultrasonicnearhorn)").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/11/10 16:49
S10 7	3	punch with (ultrasonic near horn)	US-PGPUB	OR	ON	2005/11/10 16:52

## EAST Search History

S10 8	36	(Ide.in. near junichi) or (Umega.in. near Takeshi) or (yamaguchi.in. near haruhiko) or (kobayashi.in. near futoshi) or (itoh.in. near tsuyoshi) or (yodogawa.in. near yoshimi) or (usami.in. near mamoru)	US-PGPUB	OR	ON	2005/11/10 16:55
S10 9	365	(Ide.in. near junichi) or (Umega.in. near Takeshi) or (yamaguchi.in. near haruhiko) or (kobayashi.in. near futoshi) or (itoh.in. near tsuyoshi) or (yodogawa.in. near yoshimi) or (usami.in. near mamoru)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/14 09:12
S11 0	351	156/73.3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/11/14 09:12
S11 1	2336	((156/73.3) or (156/73.1251) or (156/252) or (156/253)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/11/14 09:50
S11 2	1007	((156/253) or (156/168)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/11/14 10:44
S11 3	208	(83/51).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/11/14 10:56
S11 4	364	(264/155).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/11/14 11:04
S11 5	0	(264/65).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/11/14 11:04
S11 6	42	punch with ultrasonic	US-PGPUB	OR	ON	2005/11/14 16:09

## EAST Search History

S11 7	17	("3911075"   "4340353"   "4354988"   "4379686"   "4409169"   "4447381"   "4452748"   "4466934"   "4472124"   "4569806"   "4707321").PN. OR ("4897228").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/29 13:06
S11 8	12	("3483287"   "3493645"   "3764248"   "3776998").PN. OR ("3911075").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/29 13:07
S11 9	8	("3483287").URPN.	USPAT	OR	ON	2005/11/29 13:08
S12 0	8	("3524368").URPN.	USPAT	OR	ON	2005/11/29 13:10
S12 1	17	("2143744"   "2580716"   "3683470").PN. OR ("4071385").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/29 13:21
S12 2	22	("20020042027"   "20020131718"   "20020132482"   "20020167117"   "20020177319"   "4470864"   "5213600"   "5259926"   "5427599"   "5512131"   "5537282"   "5653166"   "5669303"   "5772905"   "5820769"   "5956216"   "6165391"   "6295923"   "6309580"   "6482742"   "6499331"   "6518189").PN. OR ("6939120").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/11/29 13:22
S12 3	3	("3186576").URPN.	USPAT	OR	ON	2005/11/29 13:23
S12 4	76	(cd or disk or (optical adj record\$3) or dvd or (compact adj disk)) with ((conveyor or transfer) and (punch) with (manufactur\$3 or apparatus))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/02 11:13
S12 5	8	("20020150794"   "5023738"   "5183479"   "5341606"   "5486276"   "5991104"   "6113753"   "6587289").PN. OR ("6772507").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/02 11:08
S12 6	7	(cd or (optical adj record\$3) or dvd or (compact adj disk)) with ((conveyor or transfer) and (punch) with (manufactur\$3 or apparatus))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/02 11:13
S12 7	10	("4091057"   "4828769"   "4971548"   "5015426"   "5059364"   "5244606").PN. OR ("5458821").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/02 14:33

## EAST Search History

S12 8	295	264/1.33.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/02 14:51
S12 9	1392	264/154	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/02 14:52
S13 0	1058	(264/154).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/02 15:15
S13 1	364	(264/155).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/02 15:21
S13 2	0	("(1or3or4)and((compactadjdisk)or( opticaladj(record\$3ordisk))orcdordv dordiskor(resinandsubstrate))with(p unhorcut))").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/02 15:24
S13 3	104	(S128 or S130 or S131) and (((compact adj disk) or (optical adj (record\$3 or disk)) or cd or dvd or disk or (resin and substrate)) with (punch or cut))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/02 15:25
S13 4	21	("3484518"   "3846530"   "4824358"   "4832275"   "4834306"   "4844852"   "4848693"   "4875638"   "5083155"   "5151730"   "5211348"   "5251841"   "5262811"   "5271577"   "5296887"   "5407146"   "5409368"   "5437828"   "5458821"   "5570152").PN. OR ("6190592").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/02 15:38
S13 5	22	("3263011"   "3466355"   "3484518"   "4423943"   "4464329"   "4663094"   "4666394"   "4834306"   "4844852"   "4848693"   "5031852"   "5047146"   "5111723"   "5211348"   "5271577"   "5322649"   "5437828"   "5633022").PN. OR ("6136261"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/02 15:39
S13 6	5	("3584101").URPN.	USPAT	OR	ON	2005/12/02 15:58
S13 7	515	425/810.ccls.	USPAT	OR	ON	2005/12/02 15:58



## EAST Search History

S13 8	198	(720/718).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/04 12:24
S13 9	78	punch near score	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/16 10:58
S14 0	2165	punch with opposite with through	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/16 10:58
S14 1	3	punch with opposite with through with score	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/16 10:59
S14 2	4349	punch with opposite with sides	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/16 10:59
S14 3	3317	punch with opposite near sides	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/16 11:00
S14 4	3097	punch with opposite adj sides	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/16 11:00
S14 5	24	punch with opposite adj sides with (substrate or resin)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/16 11:27
S14 6	2	("5232505").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/16 11:27
S14 7	27	("3552584"   "4629053"   "4759681"   "4938654"   "4969790").PN. OR ("5232505").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/16 11:28

## EAST Search History

S14 8	248	scor\$3 near punch	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/16 14:03
S14 9	124	(414/222.13).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/16 14:07
S15 0	0	("((cdordvdordiskor(compactadjdisk) orsubstrateorresin)withprocessingwi thpunchwithscore)").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/16 14:08
S15 1	0	((cd or dvd or disk or (compact adj disk) or substrate or resin) with processing with punch with score)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/16 14:09
S15 2	0	((cd or dvd or disk or (compact adj disk) or substrate or resin) with processing with punch with score)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/16 14:09
S15 3	298	((cd or dvd or disk or (compact adj disk) or substrate or resin) with processing with punch)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/16 14:22
S15 4	224	((cd or dvd or disk or (compact adj disk) or substrate or resin) with punch with transfer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/16 14:26
S15 5	2	("5215513").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/16 14:26
S15 6	678	(83/701).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/16 15:17
S15 7	488	(29/603.16).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/16 15:34

## EAST Search History

S15 8	1996	(29/432).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/16 15:44
S16 0	704	(29/34r).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/16 15:58
S16 1	26	("4752898"   "4836733"   "4880348"   "5194743"   "5202842"   "5239182"   "5289263"   "5493403").PN. OR ("5740034"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/16 16:19
S16 2	63	("3981791"   "4382739"   "4632624"   "4715921"   "4717461"   "4801241"   "4830700"   "4832778"   "4857160"   "4906328"   "4915564"   "4915777"   "4943363"   "4990047"   "5169478"   "5205919"   "5281295"   "5281320"   "5292393"   "5302209"   "5308431"   "5308989"   "5310410"   "5376223"   "5628828"   "5636963"   "5663884").PN. OR ("5863170").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/16 16:22
S16 3	7	disk near manufacturing near assembly	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/16 16:22
S16 4	13	("3338199").URPN.	USPAT	OR	ON	2005/12/16 16:23
S16 5	11	("3338199"   "3359773"   "3688718"   "3868919"   "3875884").PN. OR ("3970023").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/16 16:24
S16 6	5	("3584101").URPN.	USPAT	OR	ON	2005/12/16 16:26
S16 7	4	("1716991").URPN.	USPAT	OR	ON	2005/12/16 17:12
S16 8	18	("2743478"   "2853737"   "3514813"   "3528127"   "3662051"   "3702749"   "3833328"   "3862815"   "4005965").PN. OR ("4581188"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/16 17:21
S16 9	224	(425/291).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/12/16 17:30

## EAST Search History

S17 0	765	"425"/\$.ccls. and (score or scoring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/16 17:31
S17 1	64	"425"/\$.ccls. and ((score or scoring) with (press or punch))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/16 17:31
S17 2	5	"3728062"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/19 11:00
S17 3	125	414/222.13.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/08 14:02
S17 4	0	("2004/0168559").URPN.	USPAT	OR	ON	2006/05/08 14:40
S17 5	1195	29/432.ccls.	USPAT	OR	ON	2006/05/08 14:41
S17 6	99	29/432.ccls. and (disk or record or resin)	USPAT	OR	ON	2006/05/08 14:43
S17 7	13	29/34r.ccls. and (disk or record or resin)	USPAT	OR	ON	2006/05/08 14:45
S17 8	522	425/810.ccls.	USPAT	OR	ON	2006/05/08 14:46